

## ABSTRACT

In a TDD wireless communication system between transmitters and associated receivers, automatic gain control of a receiver is only applied during the corresponding time slot within the TDD signal time frame architecture. Successive received signal strengths are measured and gain levels are stored as estimates for an initial gain level in future time slots of the TDD signal. Estimating techniques, such as averaging or trending of received signal strength over successive time slots, and averaging or trending of gain level settings, provide improved estimation of future initial gain levels.